

44



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D6101-017
Job Sheet 204346



5240282

Part No: D6101-017

Job Qty: 20 pcs

Part Name: Saddle Billet



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 12/6/19

Job Tracking No:

Due Date: 1/20/20

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG REV B IPP RevA: New issue DD verified by:EC

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs		
100	Purchasing	20 pcs	1/20/20	1/20/20	0.00	0.00	Purchasing - 1	DEC 13 2019
							Purchasing - 2	
							Purchasing - 3	
110	Packaging 2-1 - Receive - B4B	20 pcs	1/20/20	1/20/20	0.00	0.00	Packaging 2 - 1 - B4B	DEC 13 2019
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	
							Packaging 2 - 14 - B4B	
							Packaging 2 - 15 - B4B	
							Packaging 2 - 16 - B4B	
							Packaging 2 - 17 - B4B	
							Packaging 2 - 18 - B4B	
							Packaging 2 - 19 - B4B	
							Packaging 2 - 20 - B4B	
							Packaging 2 - 21 - B4B	
							Packaging 2 - 22 - B4B	
							Packaging 2 - 23 - B4B	
							Packaging 2 - 24 - B4B	
							Packaging 2 - 25 - B4B	
							Packaging 2 - 26 - B4B	
							Packaging 2 - 27 - B4B	
							Packaging 2 - 28 - B4B	

DAS 81 9-89

DAS 81 9-89

DAS
81
9-89

				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
120 QC 6	20 pcs	1/20/20	0.00 0.00	QC 6 - 9	DEC 13 2019
				QC 6 - 68	
				QC 6 - 61	
				QC 6 - 40	
				QC 6 - 81	
130 Packaging 3-1 - Stock - B4B	20 pcs	1/20/20	0.00 0.00	Packaging 3 - 1 - B4B	Brl 19-12-77
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
140 QC 21 - SA	20 pcs	1/20/20	0.00 0.00	QC 21 - SA - 21	DAS 21 DEC 17 2019
				QC 21 - SA - 70	
				QC 21 - SA - 53	

Part Op 100 - Issue P/O: _____ b) 6.350" x 6.250" x 2.250" thick (+0.030 / -0.000) d) Grain direction along 6.350"

Descriptions: length

110 - (Receive & Inspect for Damage & Mat'l Certs) Ensure material certification is attached

120 - (QC6- All purchased or subcontracted products) Ensure Material certification comply to Dwg D6101

130 - (Identify as per dwg & Stock Location: _____) LOCATION: MAT046

140 - (QC21- Final Inspection - Work Order Release)

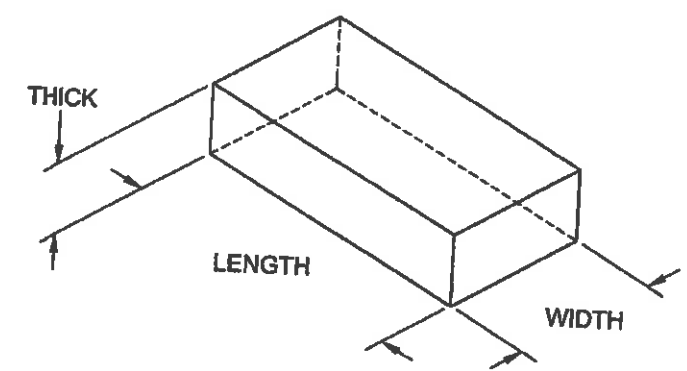
Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
D6101-017P	Aluminum Billet	20 pcs (1 ea)	100-Purchasing	240279
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	D6101-017P	20	0	0
Part Specifications				
Specifications could not be found.				

Plex 12/6/19 1:25 PM Dart.lajeunesse.marie

L1NE 3
D6101-017

W/T 9460990

SPECIFICATION CONTROL DRAWING



PURCHASE MATERIAL ACCORDING TO THE FOLLOWING TABLE. SPECIFY ALLOY, LENGTH x WIDTH x THICK (+0.030/-0.000), AND GRAIN DIRECTION AS SHOWN.

TOLERANCES ON ALL DIMENSIONS ARE +0.030/-0.000.

ALL DIMENSIONS ARE IN INCHES.

ACCEPTABLE SPECIFICATIONS FOR 7075-T7351 ALUMINUM ARE AMS-QQ-A-250/12, QQ-A-250/12, OR ASTM B209

Part No.	Alloy	Length	Width	Thick	Grain Direction
D6101-001	7075-T7351 (QQ-A-250/12)	6.000	6.250	2.000	Along 6.000 Length
D6101-003	7075-T7351 (QQ-A-250/12)	7.875	6.250	2.000	Along 7.875 Length
D6101-005	7075-T7351 (QQ-A-250/12)	5.000	8.250	2.500	Along 5.000 Length
D6101-007	7075-T7351 (QQ-A-250/12)	7.750	8.250	2.500	Along 7.750 Length
D6101-009	7075-T7351 (QQ-A-250/12)	8.700	8.250	2.500	Along 8.700 Length
D6101-011	7075-T7351 (QQ-A-250/12)	9.700	8.250	2.500	Along 9.700 Length
D6101-013	7075-T7351 (QQ-A-250/12)	10.100	8.250	2.500	Along 10.10 Length
D6101-015	7075-T7351 (QQ-A-250/12)	9.450	6.250	2.500	Along 9.450 Length
D6101-017	7075-T7351 (QQ-A-250/12)	6.350	6.250	2.250	Along 6.350 Length

RELEASED
09/07/15/W

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 204346 NLS
19-12-06

B	ADDED D6101-015/-017, ADD ASTM B209	RF	09.04.23
A	NEW ISSUE	CP	01.03.30
REV.	DESCRIPTION	BY	DATE
DESIGN	CP	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D6101	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		SADDLE BILLET, 7075	NTS
DATE	09.04.23	COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



Job: _____		DISPOSITION			DEPARTMENT/PROCESS							
Part No. _____		Rework ☐ Scrap ☐ Use-as-is ☐			Skid-tube ☐ Machining ☐ Large Fab ☐		Cross tube ☐ Small Fab ☐ Finishing ☐		Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐		Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐	
Date :	Sequence #:		QTY Affected :		MRB (QSI042)							
Description Work Order Deviation					Disposition							
Root Cause Operator Manufacturing Process Equip/Tooling Handling/Preservation Material Product Improvement Process Improvement Human Factors					FAULT CATEGORY Pressure/Forced Bending Crushing Cracks Crimp/kink/Ripple/Wave/Twist Marks/Chatter Mislabeled Other/Details: Contamination Misaligned/off center BOM/Route Broken/Damage/Defect Incomplete/Unclear Instructions Drill Holes Fit/Function Power Loss/Surge Folio/Program Grain Direction Weld Wrong Stock Pulled Out of Sequence Off-set/Set-up Positioned Wrong Outside Tolerance Drawing Finish Part Lost/Missing Misread							



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER POHB045345



Supplier: MEC002-VU
Metaux Castle
P.O. Box 4090 Stn A
Toronto
ON
M5W 0E9 Canada

PO No: POHB045345

PO Date: 12/9/19

Due Date: 1/14/20

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
Phone: 613-623-5200 Ext: 242
Fax: 613-632-1053
clavoie@dartaero.com

DEC 09 2019

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

Items													
Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1		D6101-003P	D6101 REV. B	72742	7075-T7351 2X6.25X7.875 : Various STC's AS PER DWG D6101 REV. B SIZE: 7.875" X 6.250" X 2.00" THICK GRAIN DIRECTION ALONG 7.875" LENGHT MATERIAL: 7075-T7351 QQ-A-250/12 TOLERANCE AS PER QUOTE +.030"/-.000"	Firmed	-	1/14/20	20 pcs	0 pcs 19 pcs 663	20 pcs	\$38.82/pcs	\$776.40
												DEC 13 2019	
2		D6101-015P	D6101 REV. B	72741	Aluminum Billet : Various STC's As per Dwg D6101 Rev. B	Firmed	-	1/14/20	20 pcs	0 pcs 20 pcs 663	20 pcs	\$57.20/pcs	\$1,144.00
												DEC 13 2019	
3		D6101-017P	D6101 REV. B	72740	Aluminum Billet : Various STC's As per Dwg D6101 Rev. B	Firmed	-	1/14/20	20 pcs	0 pcs 20 pcs 663	20 pcs	\$32.64/pcs	\$652.80
												DEC 13 2019	

Plex 12/9/19 11:14 AM Dart.Lavoie.Chantal



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB045345



Items													
Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
4		D6104-003P	D6104 REV. B		17-4 SS Roundbar 3.25"Od : AS PER DWG D6104 REV. B MAT'L 17-4 PH PER AMS 5643 OR AISI 630 SIZE: 3.250" DIA X 3.80" LENGTH	Firmed	-	1/14/20	10 pcs	0 pcs <i>10 pcs 6/6/5</i>	10 pcs	\$26.70/pcs	\$267.00
													DEC 13 2019
Grand Total:													\$2,840.20

DEC 13 2019

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable). No Raw Metals from China or Soviet Bloc Countries. (DFARS)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program.

A049 supplier awareness.

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 12/9/19 11:14 AM Dart.Lavoie.Chantal



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Shipment No:4058416

Ship From: A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA
Date Shipped	Inco Terms	Freight Terms	Carrier	BOL No
11-DEC-19	FCA HAWKESBURY ON CAN	Prepaid & Add	LOCAL_FLEET	4058416-7

Shipment Details	Final Destination Branch - TOR
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Order No	Line No	Item No	Description
5677416	3	72740	2.2500.PL.7075.T7351.ALUMINUM.GRAIN TO RUN ALONG 6.3500 IN.6.2500.6.3500 SPECIFICATIONS: AMS-QQ-A-250/12
Purchase Order No	Part Number	Ordered Qty	Invoice Qty
POHB045345	YOUR ITEM NUMBER: D6101-017	20.00 PCS	20.00 PCS

Details	ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS		
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Delivery No.	Mill	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
123033111	CONSTELLUM ROLLED PRODUCTS	 9460890		20	6.3500	6.2500	183.9060

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.

Date Printed: 11-DEC-2019 03:23:53 PM



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Reviewed by Authorized Castle Metals Representative:	DEC 11 2019	Date:	Name:
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3



Constellium Rolled Products
Ravenswood, LLC

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A M CASTLE CO
3050 SO HYDRAULIC
WICHITA KS
67216
US

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A M CASTLE
1420 KENSINGTON ROAD, SUITE 220
OAK BROOK IL
60523
US

A M CASTLE		110792320		4776		INCLUSION		Serial:20190905-0110792320		Pg 1of3	
CUSTOMER PURCHASE ORDER NO. & ITEM 510489						Constellium ORDER NO. 280082					
ALLOY 7075		CLAD		TEMPER T7351		GAUGE 2.25000 in 57.15 mm		WIDTH 48.50000 in 1,232 mm		LENGTH 144.50000 in 3,670 mm	
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS 4078K											
PART NUMBER 750704				B/L NUMBER 123866				DATE SHIPPED 09/06/2019			
WT. SHIPPED 9690.000 LB				NO. OF PIECES 000006				GOVT. CONTRACT NO.			
CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Dave Dunberger - Laboratory Manager											

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

ASTM B594 REV 13 2013 100% SONIC W/ 0.12" DEADZONE Class A
AMS QQ-A-250/12A
AMS-STD-2154C-2017 TYPE1 CLASS A 100% SONIC MINUS DEADZONE
ASTM B209-14
BSS-7055B 2013 CLASS A 100% SONIC TESTED MINUS DEADZONE
CMMP025 REV V
CST1006 REV E 2011 CLASS A 100% SONIC MINUS DEADZONE
DPS 4.713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE
GAMPS 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE
MMS 159T
PS 21211P 2010 CLASS A 100% SONIC MINUS DEADZONE

Load Details

Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot
1002136195	1,620.000	734.819	9460989	01		
1002136195	1,620.000	734.819	9460989	02		
1002136196	1,620.000	734.819	9460989	03		
1002136377	1,610.000	730.283	9460990	01		
1002136377	1,610.000	730.283	9460990	02		
1002136379	1,610.000	730.283	9460990	03		

Lot: 9460989 (See test results below)

Tensile - Room Temperature (US)

		Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
LT	02	72.6	72.7	62.2	62.4	12.0	12.5	





Constellium Rolled Products
Ravenswood, LLC

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A M CASTLE CO
3050 SO HYDRAULIC
WICHITA KS
67216
US

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A M CASTLE
1420 KENSINGTON ROAD, SUITE 220
OAK BROOK IL
60523
US

A M CASTLE		110792320		4776		INCLUSION		Serial:20190905-0110792320		Pg 2of3				
CUSTOMER PURCHASE ORDER NO. & ITEM 510489						Constellium ORDER NO. 280082								
ALLOY 7075		CLAD		TEMPER T7351		GAUGE 2.25000 in 57.15 mm		WIDTH 48.50000 in 1,232 mm		LENGTH 144.50000 in 3,670 mm				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH						CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 88 RAVENSWOOD, WV 26164 USA  Dave Dunbarger - Laboratory Manager								
CUSTOMER SPECIFICATION AMS 4078K														
PART NUMBER 750704			B/L NUMBER 123866									DATE SHIPPED 09/06/2019		
WT. SHIPPED 9690.000 LB			NO. OF PIECES 000006		GOVT. CONTRACT NO.									
Tensile - Room Temperature (SI)														
		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report						
Direction	Tests	Min	Max	Min	Max	Min	Max							
LT	02	501	501	429	430	12.0	12.5							
Conductivity % IACS MIN 39.0 MAX 40.6 % MS/M MIN 22.6 MAX 23.5														
Chemistry (Actual)														
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR					
Core	0.06	0.16	1.50	0.04	2.55	0.21	5.64	0.02	0.00					
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER														
All material contained in this lot was cast and manufactured in the USA														
Lot: 9460990 (See test results below)														
Tensile - Room Temperature (US)														
		Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report						
Direction	Tests	Min	Max	Min	Max	Min	Max							
LT	02	74.4	75.0	63.8	64.7	11.5	12.0							
														
P-860-155D REVISED: 01 2018														

3



Constellium Rolled Products
Ravenswood, LLC

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1420 KENSINGTON ROAD, SUITE 220
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A M CASTLE		110792320		4776		INCLUSION		Serial:20190905-0110792320		Pg 3of3																															
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WT. SHIPPED 9690.000 LB			NO. OF PIECES 000006		GOVT. CONTRACT NO.																																				
Tensile - Room Temperature (SI) <table><thead><tr><th colspan="2"></th><th colspan="2">Ultimate (N/MM2)</th><th colspan="2">Yield (N/MM2)</th><th colspan="2">Elongation (%)</th><th colspan="2">Report</th></tr><tr><th>Direction</th><th>Tests</th><th>Min</th><th>Max</th><th>Min</th><th>Max</th><th>Min</th><th>Max</th><th colspan="2"></th></tr></thead><tbody><tr><td>LT</td><td>02</td><td>513</td><td>517</td><td>440</td><td>446</td><td>11.5</td><td>12.0</td><td colspan="2"></td></tr></tbody></table>														Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report		Direction	Tests	Min	Max	Min	Max	Min	Max			LT	02	513	517	440	446	11.5	12.0		
		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report																																	
Direction	Tests	Min	Max	Min	Max	Min	Max																																		
LT	02	513	517	440	446	11.5	12.0																																		
Conductivity % IACS MIN 40.7 MAX 40.7 % MS/M MIN 23.6 MAX 23.6																																									
Chemistry (Actual) <table><thead><tr><th></th><th>SI</th><th>FE</th><th>CU</th><th>MN</th><th>MG</th><th>CR</th><th>ZN</th><th>TI</th><th>ZR</th></tr></thead><tbody><tr><td>Core</td><td>0.06</td><td>0.16</td><td>1.50</td><td>0.04</td><td>2.55</td><td>0.21</td><td>5.64</td><td>0.02</td><td>0.00</td></tr></tbody></table>													SI	FE	CU	MN	MG	CR	ZN	TI	ZR	Core	0.06	0.16	1.50	0.04	2.55	0.21	5.64	0.02	0.00										
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR																																
Core	0.06	0.16	1.50	0.04	2.55	0.21	5.64	0.02	0.00																																
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER																																									
All material contained in this lot was cast and manufactured in the USA																																									
QUALITY TEXTS: AMC CA-15413B R 10																																									
THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. CHEMISTRY BY OES: ARKSPARK CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399. WHEN SMOOTH FATIGUE TESTED, TESTED PER ASTM E466. WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557 DUNS Number: 090570149; CAGE Code: 1YW19 100% Type I (immersion sonic) used when ultrasonic inspection performed. Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.																																									
P-860-155D REVISED: 01 2018																																									

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: D6101-017
DATE: DEC 12 2019

PO / BATCH NO.: POH13045345
5240279

MATERIAL CERT REC'D: YES
QUANTITY RECEIVED: 20 PCS
QUANTITY INSPECTED: 20 PCS
QUANTITY REJECTED: —

THICKNESS ORDERED: 2.250
THICKNESS RECEIVED: ~~6.250 X 6.350~~ 2.250
SHEET SIZE ORDERED: 6.250 X 6.350
SHEET SIZE RECEIVED: 6.250 X 6.350

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y ☒ N	
CORRECT FINISH	☒ Y N	
CORROSION	Y ☒ N	
CORRECT GRAIN DIRECTION	☒ Y N	
CORRECT MATERIAL PER M-DRAWING	☒ Y N	ASTM B209
CORRECT THICKNESS	☒ Y N	
PHOTO REQUIRED	Y ☒ N	
CORRECT REF # TO LINK CERT	☒ Y N	#H/T 9460990
CORRECT MATERIAL IDENTIFICATION	☒ Y N	
CORRECT M# ON THE MATERIAL	☒ Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y ☒ N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y ☒ N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 82</u> <u>9-89</u> DATE: <u>DEC 12 2019</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in